(Rcl 90-4/02 Pub 605)

FORM 4-1

Practiti n r's D ck t N . PETRA 3.0-032

PATENT

Preliminary Classification:

Proposed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand comer of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.' " M.P.E.P. § 601, 7th ed.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application Assistant Commissioner for Patents Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s):

TEPPER et al.

WARNING: 37 C.F.R. § 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors."

For (title):

PET CHEWS WITH FILLED RECEPTACLES AND METHOD OF MAKING SAME

EXPRESS MAILING UNDER 37 C.F.R. § 1.10*

(Express Mail label number is mandatory.) (Express Mail certification is optional.)

I hereby certify that this paper, along with any document referred to, is being deposited with the United States Postal Service on this date
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Signature of pers n certifying

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

*WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed there n prior to mailing. 37 C.F.R. 1.10(b).

"Since the filing of correspondenc under § 1.10 without the Express Mail mailing label the reon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition. "Notice fOct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

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This new application is for a(n)

(check one applicable item below)

	X	Original (nonprovisional)
		Design
		☐ Plant
		Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. § 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application.
WARA	VING:	Do not use this transmittal for the filing of a provisional application.
<i>NOTE:</i>	' If all	ne of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION ANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.
		Divisional.
] (Continuation.
		Continuation-in-part (C-I-P).
2. Ben	efit d	of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)
NOTE:	claim internative bi the Unione claim	on provisional application or international application designating the United States of America may an invention disclosed in one or more prior-filed copending nonprovisional applications or pational applications designating the United States of America. In order for an application to claim enefit of a prior-filed copending nonprovisional application or international application designating nited States of America, each prior-filed application must name as an inventor at least one inventor of the later-filed application and disclose the named inventor's invention claimed in at least one of the later-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In part of the prior-filed application must be:

- (i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or
 - (ii) Complete as set forth in § 1.51(b); or
- (iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or
- (iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(f) within the time period set forth in § 1.53(f).

37 C.F.R. § 1.78(a)(1).

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

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WARNING: 37 C.F.R. § 1.78(a)(2) deals with the time in which the claim for the benefit of an earlier filing date must be made and states:

"(2)(i) Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application or international application designating the United States of America claiming the benefit of one or more prior-filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain a reference to each prior-filed application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. Cross references to other related applications may be made when appropriate (see § 1.14).

- (ii) This reference must be submitted during the pendency of the later-filed application. If the later-filed application is an application filed under 35 U.S.C. 111(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed application. If the later-filed application is a nonprovisional application which entered the national stage from an international application after compliance with 35 U.S.C. 371, this reference must also be submitted within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) in the later-filed international application or sixteen months from the filing date of the prior-filed application. These time periods are not extendable. Except as provided in paragraph (a)(3) of this section, the failure to timely submit the reference required by 35 U.S.C. 120 and paragraph (a)(2)(i) of this section is considered a waiver of any benefit under 35 U.S.C. 120, 121, or 365(c) to such prior-filed application. The time periods in this paragraph do not apply if the later-filed application is:
 - (A) An application for a design patent;
 - (B) An application filed under 35 U.S.C. 111(a) before November 29, 2000; or
- (C) A nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2000.
- (iii) If the later-filed application is a nonprovisional application, the reference required by this paragraph must be included in an application data sheet (§ 1.76), or the specification must contain or be amended to contain such reference in the first sentence following the title.
- (iv) The request for a continued prosecution application under § 1.53(d) is the specific reference required by 35 U.S.C. 120 to the prior-filed application. The identification of an application by application number under this section is the identification of every application assigned that application number necessary for a specific reference required by 35 U.S.C. 120 to every such application assigned that application number."

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3. Papers Enclosed

- A. Required for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application
 - 16 Pages of specification
 - __5_ Pages of claims
 - __6_ Sheets of drawing

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filling a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62)

E V186 75 450 2 NOTE: "Identification of drawings. Identifying indicia, if provided, should include the titl of the invention inventor's name and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin." (complete the following, if applicable) ☐ The enclosed drawing(s) are photograph(s). NOTE: 37 C.F.R. 1.84 "(b) Photographs. "(1) Black and white. Photographs, including photocopies of photographs, are not ordinarily permitted in utility and design patent applications. The Office will accept photographs in utility and design patent applications, however, if photographs are the only practicable medium for illustrating the claimed invention. For example, photographs or photomicrographs of: electrophoresis gels, blots (e.g., immunological, western, Southern, and northern), auto radiographs, cell cultures (stained and unstained), histological tissue cross sections (stained and unstained), animals, plants, in vivo imaging, thin layer chromatography plates, crystalline structures, and, in a design patent application, ornamental effects, are acceptable. If the subject matter of the application admits of illustration by a drawing, the examiner may require a drawing in place of the photograph. The photographs must be of sufficient quality so that all details in the photographs are reproducible in the printed patent, °(2) Color photographs. Color photographs will be accepted in utility and design patent applications if the conditions for accepting color drawings and black and white photographs have been satisfied. See paragraphs (a)(2) and (b)(1) of this section." ☐ The enclosed drawing(s) are in color. Three (3) sets of color drawings and a "PETITION TO ACCEPT COLOR DRAWING(S)" are attached. 37 C.F.R. §§ 1.84(a)(2) and 1.84(b). NOTE: 37 C.F.R. 1.84(a) °(2) Color. On rare occasions, color drawings may be necessary as the only practical medium by which to disclose the subject matter sought to be patented in a utility or design patent application or the subject matter of a statutory invention registration. The color drawings must be of sufficient quality such that all details in the drawings are reproducible in black and white in the printed patent. Color drawings are not permitted in international applications (see PCT Rule 11.13), or in an application, or copy thereof, submitted under the Office electronic filing system. The Office will accept color drawings in utility or design patent applications and statutory invention registrations only after granting a petition filed under this paragraph explaining why the color drawings are necessary. Any such petition (1) The fee set forth in § 1.17(h); (ii) Three (3) sets of color drawings; (iii) A black and white photocopy that accurately depicts, to the extent possible, the subject matter (iv) An amendment to the specification to insert (unless the specification contains or has been previously amended to contain) the following language as the first paragraph of the brief The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee." formal informal B. Other Papers Enclosed 7 Pages of declaration and power of attorney _1_Pages of abstract Other (New Application Transmittal [4-1]—page 4 of 15)

(Rel.90-4/02 Pub.605)

FORM 4-1

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4. Additional papers enclosed

FORM 4-1

☐ Amendment to claims	
Cancel in this application calculating the filing fee. (A retained for filing purposes	At least one original independent claim and the
☐ Add the claims shown on	the attached amendment. (Claims added have vely following the highest numbered original
☐ Preliminary Amendment	
☐ Information Disclosure Statemer	nt (37 C.F.R. & 1.98)
☐ Form PTO-1449 (PTO/SB/08A a	nd 08B)
☐ Citations	
. Declaration of Biological Deposit	
☐ Submission of "Sequence Listing	" computer readable copy and/or amendment logy invention containing nucleotide and/or
 Authorization of Attorney(s) to Acceptive 	ept and Follow Instructions from Representa-
☐ Special Comments	•
☐ Other	
5. Declaration or oath (including power of a	uttomey)
by all or fewer than all the inventors named application being filed, and a copy of the exemple the signature or an indication thereon that it was by a statement requesting deletion of the name being filed. If the declaration in the prior application must be filed accompanied by a copy person under § 1.47 has subsequently joined if executed declaration must be filed. See 37 C.1	in a continuation or divisional application provided that a declaration as required, the application being filed is in the prior application, there is no new matter in the cuted declaration filed in the prior application (showing is signed) is submitted. The copy must be accompanied as of person(s) who are not inventors of the application polication was filed under § 1.47, then a copy of that it of the decision granting § 1.47 status or, if a nonsigning in a prior application, then a copy of the subsequently F.R. §§ 1.63(d)(1)—(3).
country or citizenship of each inventor, and sta C.F.R. § 1.63(a)(1)-(4).	ticulig ramily name and at least one given name, without or initial, and the residence, post office address and te whether the inventor is a sole or joint inventor. 37
is that inventorship set forth in the application and	of the first state of the first
☐ Enclosed	
Executed by (unexecuted)	
(check all applica	ble boxes)
☐ inventor(s).	•
☐ legal representative of inventor(s)	. 37 C.F.R. §§ 1.42 or 1.43
	(New Application Transmittal [4-1]—page 5 of 15)
	(J) (

joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.
☐ This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F.R. § 1.47 is also attached. See item 13 below for fee.
☐ Not Enclosed.
NOTE: Where the filing is a completion in the U.S. of an International Application or where the completion of the U.S. application contains subject matter in addition to the International Application, the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.
Application is made by a person authorized under 37 C.F.R. § 1.41(c) on behalf of all the above named inventor(s).
(The declaration or oath, along with the surcharge required by 37 C.F.R. § 1.16(e) can be filed subsequently).
☐ Showing that the filing is authorized.
(not required unless called into question, 37 C.F.R. § 1.41(d))
6. Inventorship Statement
WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.
The inventorship for all the claims in this application are:
☑ The same.
or
Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,
is submitted.
☐ will be submitted.
7. Language
NOTE: An application including a signed oath or declaration may be filed in a language other than English. An English translation of the non-English language application and the processing fee of \$130.00 required by 37 C.F.R. § 1.17(k) is required to be filed with the application, or within such time as may be set by the Office. 37 C.F.R. § 1.52(d).
☑ English
☐ Non-English
The attached translation includes a statement that the translation is accurate. 37 C.F.R. § 1.52(d).
8. Assignment
An assignment of the invention to PETRA PET, INC. d/b/a PETRAPPORT
□ is attached. A separate □ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or □ FORM PTO 1595 is also attached.
☑ will follow.
NOTE: "If an assignment is submitted with a new application, send two separate letters-one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).
WARNING: A newly executed "CERTIFICATE UNDER 37 C.F.R. § 3.73(b)" must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.
(N w Application Transmittal [4-1]—page 6 of 15)

FORM 4-1

	•		
	☐ This is a ☐ co	ontinuation divisional application a	
	document for the	ne parent application 0 /	and the assignment
	on	he parent application 0 /	was filed
¬ -		-	•
			Reel
• •			Frame
	tified Copy		
Certifi	ed copy(ies) of app	dication(s)	
Cour	nto.		
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Coun	try	April Al	
	7	Appin. No.	Filed
Count	try .	Apple No	
	ch priority is claime	Appin. No.	Filed
	is (are) attached.	u .	
	will follow.		
101E, 3	7 C.F.R. § 1.55 Claim fo	or foreign priority.	
,	of the application or six period is not extendable. as well as any foreign a of the application for whi intellectual property auth do not apply in an applid	cation filed under 35 U.S.C. 111(a), the claim for the application, and within the later of four months treen months from the filing date of the prior form. The claim must identify the foreign application for application for the same subject matter and having hich priority is claimed, by specifying the applicationity, day, month, and year of its filing. The time cation under 35 U.S.C. 111(a) if the application is	s from the actual filing date eign application. This time or which priority is claimed, og a filing date before that ation number, country (or
1	(A) A design application;	or	
(B) An application filed b	refore November 29, 2000.	
•	••••		
p 1 c n u	aragraph (a) of this section 19(a)-(d) or 365(a) is presolation laim may be accepted if the number, country (or intella	accepted in accordance with the provisions of this 119(a)-(d) or 365(a) not presented within the ton is considered to have been waived. If a claim for sented after the time period provided by paragraphe claim identifying the prior foreign application by dectual property authority), and the day, month, a petition to accept a delayed claim for priority un panied by:	time period provided by or priority under 35 U.S.C. oh (a) of this section, the specifying its application
ur	(1) The claim under 35 (dess previously submitte	U.S.C. 119(a)-(d) or 365(a) and this section to the p	prior foreign application,
	(2) The surcharge set fo		
of ad		entire delay between the date the claim was due te the claim was filed was unintentional. The Con re there is a question whether the delay was unin	
		(New Application Transmitta	al [4-1]—page 7 of 15)

NOTE: 37 C.F.R. § 1.63 Oath or declaration.

"(a) An oath or declaration filed under § 1:51(b)(2) as a part of a nonprovisional application must

(c) Unless such information is supplied on an application data sheet in accordance with § 1.76, the oath or declaration must also identify:

(2) Any foreign application for patent (or inventor's certificate) for which a claim for priority is made pursuant to § 1.55, and any foreign application having a filing date before that of the application on which priority is claimed, by specifying the application number, country, day, month, and year of its filing."

The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37 C.F.R. § 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35 U.S.C. § 120 is itself entitled to priority from a prior foreign application, then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

10. Fee Calculation (37 C.F.R. § 1.16)

	CLAIMS AS FI	LED		
Number filed	Number Extra		Rate	Basic Fee 37 C.F.R. § 1.16(a) \$740x00 770.
Total Claims (37 C.F.R. § 1.16(c))	· 20 = 26	×	\$ 18.00	
ndependent Claims (37 C.F.R. 1:16(b))				468.00
	3 =	<u> </u>	\$ 84.00	
fultiple dependent claim(s), if any (37 C.F.R. § 1.16(d))		+	\$280.00	
☐ Amendment cance	lling extra claims is en	clos	ed .	
		CIU3		
	Multiple-dependent			
☐ Amendment deletir	ng multiple-dependenc	es is	enclosed.	
☐ Fee for extra claim	s is not being paid at	es is this	time.	
Fee for extra claim	s is not being paid at e not paid on filing they must e time period set for respon	es is	time.	
☐ Fee for extra claim NOTE: If the fees for extra claims ar prior to the expiration of the notice of fee deficiency. 37	s is not being paid at e not paid on filing they must e time period set for respon C.F.R. § 1.16(d).	es is	time.	s cancelled by amendment, ad Trademark Office in any
☐ Fee for extra claim NOTE: If the fees for extra claims ar prior to the expiration of the notice of fee deficiency. 37	s is not being paid at the not paid on filing they must be time period set for respond of C.F.R. § 1.16(d). Tiling Fee Calculation	es is	time.	
☐ Fee for extra claims as prior to the expiration of the notice of fee deficiency. 37 B. ☐ Design application (\$330.00—37 C.F.R.	s is not being paid at the not paid on filing they must be time period set for respond of C.F.R. § 1.16(d). Filing Fee Calculation § 1.16(f))	es is	time.	s cancelled by amendment, and Trademark Office in any
☐ Fee for extra claims are prior to the expiration of the notice of fee deficiency. 37 B. ☐ Design application (\$330.00—37 C.F.R. F	s is not being paid at the not paid on filing they must be time period set for respond C.F.R. § 1.16(d). Filing Fee Calculation § 1.16(f)) illing Fee Calculation	es is	time.	s cancelled by amendment, ad Trademark Office in any
☐ Fee for extra claims are prior to the expiration of the notice of fee deficiency. 37 B. ☐ Design application (\$330.00—37 C.F.R.	s is not being paid at the not paid on filing they must be time period set for respond C.F.R. § 1.16(d). Filing Fee Calculation § 1.16(f)) illing Fee Calculation	es is	time.	s cancelled by amendment, and Trademark Office in any

11. Ass rtion of Small Entity Status

Applicant hereby asserts status as a small entity under 37 C.F.R. § 1.27 .

NOTE: 37 C.F.R. § 1.27(c) deals with the assertion of small entity status, whether by a written specific declaration thereof or by payment as a small entity of the basic filing fee or the fee for the entry into the national phase and states:

"(c) Assertion of small entity status. Any party (person, small business concern or nonprofit organization) should make a determination, pursuant to paragraph (f) of this section, of entitlement to be accorded small entity status based on the definitions set forth in paragraph (a) of this section, and must, in order to establish small entity status for the purpose of paying small entity fees, actually make an assertion of entitlement to small entity status, in the manner set forth in paragraphs (c)(1) or (c)(3) of this section, in the application or patent in which such small entity fees are to be paid.

- (1) Assertion by writing. Small entity status may be established by a written assertion of entitlement to small entity status. A written assertion must:
 - (i) Be clearly identifiable;
 - (ii) Be signed (see paragraph (c)(2) of this section); and
- (iii) Convey the concept of entitlement to small entity status, such as by stating that applicant is a small entity, or that small entity status is entitled to be asserted for the application or patent. While no specific words or wording are required to assert small entity status, the intent to assert small entity status must be clearly indicated in order to comply with the assertion requirement.
- (2) Parties who can sign and file the written assertion. The written assertion can be signed by:
 - (i) One of the parties identified in § 1.33(b) (e.g., an attorney or agent registered with the Office), § 3.73(b) of this chapter notwithstanding, who can also file the written assertion;
- (ii) At least one of the individuals identified as an inventor (even though a § 1.63 executed oath or declaration has not been submitted), notwithstanding § 1.33(b)(4), who can also file the written assertion pursuant to the exception under § 1.33(b) of this part; or
- (iii) An assignee of an undivided part interest, notwithstanding §§ 1.33(b)(3) and 3.73(b) of this chapter, but the partial assignee cannot file the assertion without resort to a party identified under § 1.33(b) of this part.
- (3) Assertion by payment of the small entity basic filling or basic national fee. The payment, by any party, of the exact amount of one of the small entity basic filling fees set forth in §§ 1.16(a), (f), (g), (h), or (k), or one of the small entity basic national fees set forth in §§ 1.492(a)(1), (a)(2), (a)(3), (a)(4), or (a)(5), will be treated as a written assertion of entitlement to small entity status even if the type of basic filling or basic national fee is inadvertently selected in error.
- (i) If the Office accords small entity status based on payment of a small entity basic filing or basic national fee under paragraph (c)(3) of this section that is not applicable to that application, any balance of the small entity fee that is applicable to that application will be due along with the appropriate surcharge set forth in § 1.16(e), or § 1.16(f).
- (ii) The payment of any small entity fee other than those set forth in paragraph (c)(3) of this section (whether in the exact fee amount or not) will not be treated as a written assertion of entitlement to small entity status and will not be sufficient to establish small entity status in an application or a patent."

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	37 C.F.R. § 1.27(c)(4): "Assertion required in related, continuing, and reissue applications. Status as a small entity must be specifically established by an assertion in each related, continuing and reissue application in which status is appropriate and desired. Status as a small entity in one application or patent does not affect the status of any other application or patent, regardless of the relationship of the applications or patents. The refiling of an application under § 1.53 as a continuation, divisional, or continuation-in-part application (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application, requires a new assertion as to continued entitlement to small entity status for the continuing or reissue application."
WARNING:	"Small entity status must not be established when the person or persons signing the statement can unequivocally make the required self-certification." M.P.E.P., § 509.03 (emphasis added).
	(complete the following, if applicable)
	tatus as a small entity was asserted in the prior application
is	60 / 419,744, filed on $10/18/02$, from which benefit being claimed for this application under:
3	35 U.S.C. § ⊠ 119(e) ☐ 120 ☐ 121 ☐ 365(c)
a a	nd which status as a small entity is still proper and asserted for this pplication.
	A copy of the written assertion of small entity filed in the prior application is included.
for a re	nd based on establishment of small entity status, of a portion of fees timely paid in full prior to shing status as a small entity may only be obtained if an assertion under § 1.27(c) and a request afund of the excess amount are filed within three months of the date of the timely payment of fee. The three-month time period is not extendable under § 1.136. 37 C.F.R. § 1.28(a).
	ng Fee Calculation (50% of A, B or C above)
 	\$_619.00
request	for International-Type Search (37 C.F.R. § 1.104(d))
	(complete, if applicable)

12.

Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

(New Application Transmittal [4-1]—page 10 of 15)

4/02	

in the manner authorized above.

A duplicate of this paper is attached.

Fe Payment Being Made at This Time ☑ Not Enclosed No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. § 1.16(e) can be paid subsequently.) ☐ Enclosed Filing fee ☐ Recording assignment (\$40.00; 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".) Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (\$130.00; 37 C.F.R. §§ 1.47 and 1.17(i)) ☐ For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k)) Processing and retention fee (\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(J) ☐ Fee for international-type search report (\$40.00; 37 C.F.R. § 1.21(e)) NOTE: 37 C.F.R. § 1.21(I) establishes a fee for processing and retaining any application that is abandoned for failing to complete the application pursuant to 37 C.F.R. § 1.53(f) and this, as well as the changes to 37 C.F.R. §§ 1.53 and 1.78(a)(1), indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be paid, or the processing and retention fee of § 1.21() must be paid, within 1 year from notification under § 53(f). Total fees enclosed 14. Method of Payment of Fees ☐ Attached is a ☐ check ☐ money order in the amount of \$_____ ☐ Authorization is hereby made to charge the amount of \$_ ☐ to Deposit Account No. ☐ to Credit card as shown on the attached credit card information authorization form PTO-2038. WARNING: Credit card information should not be included on this form as it may become public. ☐ Charge any additional fees required by this paper or credit any overpayment

FORM 4-1

15. Authorization to Charge Additional Fees
WARNING: If no fees are to be paid on filing, the following items should be a V 186 7 5 4 5 0 2
if extra claim charges are authorized.
The Office is hereby authorized to charge, in the manner shown above, the following additional fees that may be required by this paper and during the entire pendency of this application.
37 C.F.R. § 1.16(a), (f) or (g) (filing fees)
37 C.F.R. § 1.16(b), (c) and (d) (presentation of output
must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not authorize the PTO to charge additional claim fees, except possibly when dealing with amendments
 37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
U 3/ C.F.R. § 1.17(a)(1)–(5) (extension fees pursuant to § 1.136(a))
U 3/ C.F.M. 9 1.1/ (application processing focal
A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in requiring a petition for an extension of time under this paragraph for its timely submission. *37 C.F.R. § 1.136(a)(3). 37 C.F.R. § 1.18 (Issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))
or mailing the notice of allowance. 37 C.F.R. § 1.311(b)
NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application prior to paying, or at the time of paying, the issue even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.
16. Instructions as to Overpayment
NOTE: " Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. \$ 1.26(a).
☐ Credit Account No Refund
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(New Application Transmittal [4-1]—page 12 of 15)

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) 201 843-6300 Tel. No. (

Customer No. 28885

SIGNATURE OF PRACTITIONER

Edward R. Weingram

(type or print name of attorney)

WEINGRAM & ASSOCIATES

;	☑ Incorporation by referenc of add d pages	E V186 75450
ŕ	(check the following item if the application in this transmittal opnor U.S. application(s) (including an international application stage as a continuation, divisional or C-I-P application) and of the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL VPRIOR U.S. APPLICATION(S) CLAIMED)	claims the benefit of on entering the U.S.
,	Plus Added Pages for New Application Transmittal Where E Application(s) Claimed	Benefit of Prior U.S.
	Number of pages added8	
	☐ Plus Added Pages for Papers Referred to in Item 4 Above	
	Number of pages added	•
•	Plus added pages deleting names of inventor(s) named in who is/are no longer inventor(s) of the subject matter claimed	prior application(s) in this application.
	Number of pages added	
	Accompanying New Applicat	ion" .
	Number of pages added Statement Where No Further Pages Added	
	(if no further pages form a part of this Transmittal, then end this this page and check the following item)	s Transmittal with
	☐ This transmittal ends with this page.	
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	(New Application Transmittal [4-1]-	-page 14 of 15)
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PETRA 3.0-032 Practitioner's Docket No.

PATENT

ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

(37 C.F.R. § 1.78)

17. Relate Back

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. § 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. § 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. § 119, 365(a) or 365(b).) For a c-l-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach, See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(complete the following, if applicable)

Amend the specification by inserting, before the first line following the title, the following sentence:

A. 35 U.S.C. § 119(e)

NOTE: 37 C.F.R. § 1.78(a)(4) and (5):

(4) A nonprovisional application, other than for a design patent, or an international application designating the United States of America may claim an invention disclosed in one or more prior-filed provisional applications. In order for an application to claim the benefit of one or more prior-filed provisional applications, each prior-filed provisional application must name as an inventor at least one inventor named in the later-filed application and disclose the named inventor's invention claimed in at least one claim of the later-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In addition, each prior-filed provisional application must be entitled to a filing date as set forth in § 1.53(c), and the basic filing fee set forth in § 1.16(k) must be paid within the time period set forth in § 1.53(g).

f(5)(i) Any nonprovisional application or international application designating the United States of America claiming the benefit of one or more prior-filed provisional applications must contain or be amended to contain a reference to each such prior-filed provisional application, identifying it by the provisional application number (consisting of series code and serial number).

- (ii) This reference must be submitted during the pendency of the later-filed application. If the later-filed application is an application filed under 35 U.S.C. 111(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed provisional application. If the later-filed application is a nonprovisional application which entered the national stage from an international application after compliance with 35 U.S.C. 371, this reference must also be submitted within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) in the later-filed international application or sixteen months from the filing date of the prior-filed provisional application. These time periods are not extendable. Except as provided in paragraph (a)(6) of this section, the failure to timely submit the reference is considered a waiver of any benefit under 35 U.S.C. 119(e) to such prior-filed provisional application. The time periods in this paragraph do not apply if the later-filed application is:
 - (A) An application filed under 35 U.S.C. 111(a) before November 29, 2000; or
 - (B) A nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2000.
- (iii) If the later-filed application is a nonprovisional application, the reference required by this paragraph must be included in an application data sheet (§ 1.76), or the specification must contain or be amended to contain such reference in the first sentence following the title."

"This application claims the benefit of U.S. Provisional Application(s) No(s): 75 4 5 0 2 APPLICATION NO(S).: FILING DATE 419,744 10/18/92 WARNING: 37 C.F.R. § 1.78(5)(iv): "(iv) If the prior-filed provisional application was filed in a language other than English and an English-language translation of the prior-filed provisional application and a statement that the translation is accurate were not previously filed in the prior-filed provisional application or the later-filed nonprovisional application, applicant will be notified and given a period of time within which to file an English-language translation of the non-English-language prior-filed provisional application and a statement that the translation is accurate. In a pending nonprovisional application, failure to timely reply to such a notice will result in abandonment of the application." Language of Prior Filed Provisional Application (Supply information for each provisional whose benefit is being claimed) The above identified prior filed provisional application whose benefit is being claimed was filed in the English language was filed in a language other than English and an English translation along with a statement that the translation is accurate was filed in the provisional application was filed in a language other than English and an English translation along with a statement that the translation is accurate is filed herewith B. 35 U.S.C. Sections 120, 121 and 365(c) WARNING: The applicable provisions for the time and manner of claiming the benefit of a prior U.S. application filing date are set forth in 37 C.F.R. § 1.78(a)(1) and (2) as follows: (a)(1) A nonprovisional application or international application designating the United States of America may claim an invention disclosed in one or more prior-filed copending nonprovisional applications or international applications designating the United States of America. In order for an application to claim the benefit of a prior-filed copending nonprovisional application or international application designating the United States of America, each prior-filed application must name as an inventor at least one inventor named in the later-filed application and disclose the named inventor's invention claimed in at least one claim of the later-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In addition, each prior-filed application must be: (i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or

- (ii) Complete as set forth in § 1.51(b); or
- (iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or
- (iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(f) within the time period set forth in § 1.53(f).

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.4]
—page 2 of 8)

Rel.90-4/02	Pub 6051
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(2)(i) Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application or international application designating the United States of America claiming the benefit of one or more prior-filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain a reference to each such prior-filed application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. Cross references to other related applications may be made when appropriate (see § 1.14).

- (ii) This reference must be submitted during the pendency of the later-filed application, if the later-filed application is an application filed under 35 U.S.C. 111(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed application. If the later-filed application is a nonprovisional application which entered the national stage from an international application after compliance with 35 U.S.C. 371, this reference must also be submitted within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) in the later-filed international application or sixteen months from the filing date of the prior-filed application. These time periods are not extendable. Except as provided in paragraph (a)(3) of this section, the failure to timely submit the reference required by 35 U.S.C. 120 and paragraph (a)(2)(f) of this section is considered a waiver of any benefit under 35 U.S.C. 120, 121, or 365(c) to such prior-filed application. The time periods in this paragraph do not apply if the later-filed application is:
 - (A) An application for a design patent;
 - (B) An application filed under 35 U.S.C. 111(a) before November 29, 2000; or
- (C) A nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2000.
- (iii) If the later-filed application is a nonprovisional application, the reference required by this paragraph must be included in an application data sheet (§ 1.76), or the specification must contain or be amended to contain such reference in the first sentence following the title.
- (iv) The request for a continued prosecution application under § 1.53(d) is the specific reference required by 35 U.S.C. 120 to the prior-filed application. The identification of an application by application number under this section is the identification of every application assigned that application number necessary for a specific reference required by 35 U.S.C. 120 to every such application assigned that application number."

	"Th	nis application is a		
		continuation		
		continuation-in-part		
		divisional		
of cop	enc	ling application(s)		
		application number 0 /	filed on	"
		International Applicationwhich designated the U.S."	filed on	and
NOTE		ne proper reference to a prior filed PCT application that rial number and the filing date of the PCT application		U.S.
NOTE:	th	Where the application being transmitted adds subject e filing can be as a continuation-in-part or (2) if it is des n be as a continuation.	matter to the International Application, ired to do so for other reasons then the	then filing
	V	dded Pages for Application Transmittal Where Benefit	f Pri r U.S. Application(s) Claimed [4—page 3 o	-

, 0	"The nonprovision	al application design	gnated above, namely application
	Provisional Applicati	, filed on(s) No(s).:	, claims the benefit of U.
		LICATION NO(S).:	FILING DATE
	-	J	,11
		<i></i>	n
		/	"
C. Lai	nguage of Publication	of International App	plication
. 🗆	Please indicate in the	e first sentence of the	application:
"The int	ernational application	corresponding to the	instant application
	was		
	was not		
published	under PCT Article 21(2) in the English langu	age."
	Where more than one into one sentence.	reference is made at	pove please combine all references
18. Relat	e Back—35 U.S.C. §	119 Priority Claim fo	or Prior Application
NOTE: 37	C.F.R. § 1.55 Claim for for	eign priority.	
·	f(a) An applicant in a nonpro more prior foreign applicatio f), 172, and 365(a) and (b).	ovisional application may cl ns under the conditions spo	aim the benefit of the filing date of one or ecified in 35 U.S.C. 119(a) through (d) and
	date of the application or s time period is not extendab claimed, as well as any for before that of the application	a application, and within the ixteen months from the filin le. The claim must identify eign application for the sam on for which priority is claim erty authority), day, month, a	(a), the claim for priority must be presented a later of four months from the actual filing g date of the prior foreign application This the foreign application for which priority is the subject matter and having a filing date led, by specifying the application number, and year of its filing. The time period in this in patent.
	compliance with 35 U.S.C	. 3/1, the claim for priority i	e from an international application after must be made during the pendency of the PCT and the Regulations under the PCT."
	(2) The claim for priority and 119(b) or PCT Rule 17 mus priority or the certified copy it must be accompanied by the the priority claim unless com	d the certified copy of the f t, in any event, be filed befo of the foreign application is the processing fee set forth i ected by a certificate of corr	oreign application specified in 35 U.S.C. ore the patent is granted. If the claim for filed after the date the issue fee is paid, in § 1.17(i), but the patent will not include ection under 35 U.S.C. 255 and § 1.323.
(Add	led Pages for Application Tr	ansmittal Where Benefit of	Prior U.S. Application(s) Claimed [4-1.4] —page 4 of 8)

The prior U.S. application(s), including any prior International Application designating the U.S., identified above in item 17B, in turn itself claim(s) foreign priority(ies) as follows:

	Country			Appin. No.	Filed
T	he d	certii	fied copy(ies) has	(have)	, .
	٥	נ י	peen filed on which was filed or	in prior application 0 /	
] i:	s (are) attached.		
٠		:	application in the col application communic a U.S. serial number ur stage is not entered. prosecution of a conti- documents from the fo- to request transfer, retr- enter and make a recoi the priority documents stage may not be relie	the priority application that may have been common may not be relied on without any need to file a cernitinuing application. This is so because the certificated by the International Bureau is placed in a folialist the national stage is entered. Such folders are difference, such certified copies may not be available noting application. An alternative would be to physical ders and transfer them to the continuing application, transfer the folders, make suitable record notations, transfer the Continuing Application are so in folders of international applications that have not on. Notice of April 28, 1987 (1079 O.G. 32 to 48)	tified copy of the priority fied copy of the priority der and is not assigned isposed of if the national le if needed later in the cally remove the priority The resources required sfer the certified copies, ubstantial. Accordingly, of entered the national
19.				ency of Prior Application	
NOT	,	respo	PTO finds it useful if a nse is filed with the p mber 5, 1985 (1060 O.	copy of the petition filed in the prior application epapers constituting the filing of the continuation G. 27).	extending the term for application. Notice of
A.		Ex	tension of time in	prior application	
(Th	nis it	tem	must be complete period s	ed and the papers filed in the prior app et in the prior application has run.)	lication, if the
		A j	petition, fee and re	esponse extends the term in the pending	prior application
		A	copy of the petition	on filed in prior application is attached.	
B.				or Extension of Time in Prior Application	
			(complete thi	s item, if previous item not applicable)	
			A conditional peti application.	tion for extension of time is being filed in the	he pending prior
			A copy of the co	nditional petition filed in the prior applica	tion is attached.
	(<i>p</i>	Addec	Pages for Application	Transmittal Where Benefit of Prior U.S. Application	n(s) Claimed [4-1.4]

(a) This application discloses and claims only subject matter disclosed in the application whose particulars are set out above and the inventor(s) application are the same. less than those named in the prior application. It is requested the following inventor(s) identified for the prior application be deleted: (type name(s) of inventor(s) to be deleted) (b) This application discloses and claims additional disclosure by amendment a new declaration or oath is being filed. With respect to the prior application the inventor(s) in this application are the same.
less than those named in the prior application. It is requested the following inventor(s) identified for the prior application be deleted: (type name(s) of Inventor(s) to be deleted) (b) This application discloses and claims additional disclosure by amendment a new declaration or oath is being filed. With respect to the prior application the inventor(s) in this application are
following inventor(s) identified for the prior application be deleted: (type name(s) of Inventor(s) to be deleted) (b) This application discloses and claims additional disclosure by amendmen a new declaration or oath is being filed. With respect to the prior applic the inventor(s) in this application are
(b) ☐ This application discloses and claims additional disclosure by amendmen a new declaration or oath is being filed. With respect to the prior applic the inventor(s) in this application are
a new declaration or oath is being filed. With respect to the prior applic the inventor(s) in this application are
☐ the same.
_
the following additional inventor(s) have been added:
(type name(s) of inventor(s) to be deleted)
(c) 🗹 The inventorship for all the claims in this application are
★ the same.
not the same. An explanation, including the ownership of the various cl at the time the last claimed invention was made
is submitted.
will be submitted.
21. Abandonment of Prior Application (if applicable)
Please abandon the prior application at a time while the prior application pending, or when the petition for extension of time or to revive in that application is granted, and when this application is granted a filing date, so as to make application copending with said prior application.
NOTE: According to the Notice of May 13, 1983 (103, TMOG 6-7), the filing of a continuation or continuation part application is a proper response with respect to a petition for extension of time or a petition revive and should include the express abandonment of the prior application conditioned upon granting of the petition and the granting of a filing date to the continuing application.
22. Petition for Suspension of Prosecution for the Time Necessary to File Amendment
WARNING: "The claims of a new application may be finally rejected in the first Office action in those situation where (A) the new application is a continuing application of, or a substitute for, an earlier application and (B) all the claims of the new application (1) are drawn to the same invention claimed in earlier application, and (2) would have been properly finally rejected on the grounds of art of recin the next Office action if they had been entered in the earlier application." M.P.E.P. § 706.077th ed.
NOTE: Where it is possible that the claims on file will give rise to a first action final for this continuation applicat and for some reason an amendment cannot be filed promptly (e.g., experimental data is being gather it may be desirable to file a petition for suspension of prosecution for the time necessary.
(check the next item, if applicable)
There is provided herewith a Petition To Suspend Prosecution for the Time Necessa to File An Amendment (New Application Filed Concurrently)
(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1, —page 6 of

20. Further Inventorship Stat m nt Where Benefit f Prior Application(s) Claim 5 4 5 0 2

(Rel.90-4/02 Pub.605) FORM 4-1.4 4-46

E V186 75 450 2 (Rel.90-4/02 Pub.605) FORM 4-1.4

23. Small Entity (37 C.F.R. § 1.28(a)) Applicant has established small entity status by the filing of a statement in parent application60/4197744 on10/18/02 A copy of the statement previously filed is included. WARNING: See 37 C.F.R. § 1.28(a). WARNING: "Small entity status must not be established when the person or persons signing the statement can unequivocally make the required self-certification." M.P.E.P. § 509.03, 7th ed. (emphasis added). 24. NOTIFICATION IN PARENT APPLICATION OF THIS FILING A notification of the filing of this
(check one of the following)
☐ continuation-in-part☐ divisional
is being filed in the parent application, from which this application claims priority under 35 U.S.C. § 120.

Conditional Petition and Fee for Extension of Time: If any extension of time for the accompanying response is required, applicant requests that this be considered a petition therefor.

(X)

In connection with the above-identified matter, please charge any additional fees or any other charges related to this matter to the deposit account of the writer, No. 23-0812. A duplicate copy of this letter is enclosed.

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10

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AND IS ADDRESSED TO THE ASSISTANT COMMISSIONER

FOR PATENTS, WASHINGTON, DC 20231

DATED:

Enclosures LETERW\PTOEXPRS1.ERW Respectfally submitted,

Application Cover Sheet

Edward R. Weingram Registration No. 24,493

WEINGRAM & ASSOCIATES, P.C.

P.O. Box 927

Maywood, NJ 07607

TEL: (201) 843-6300 FAX: (201) 843-6495